



## JPCR3006AL

### EPI PLANAR HYPERFAST SOFT RECOVERY RECTIFIER

Rev.1.1

#### DESCRIPTION

- ± Plastic package has underwriters laboratory flammability classification 94V-0
- μ Lead free in comply with EU RoHS 2011/65/EU directives
- μ Low reverse leakage current
- μ Hyperfast recovery time
- μ Low recovery loss
- μ Epitaxial planar technology
- μ 5th Generation soft fast recovery characteristics
- μ Output rectifiers in high-frequency switched-mode power supplies
- μ Insulation (2500V<sub>RMS</sub>) allows placement on same heatsink as mosfet and flexible heatsinking on common or separate heatsink

#### MECHANICAL DATA

- ± Case: TO-220A-2L molded plastic over passivated junction
- μ Terminals: Solder plated, solderable per J-STD-002
- μ Internally constructed isolated package is offered for ease of heat sinking with highest isolation voltage
- μ Weight:2.1 gram

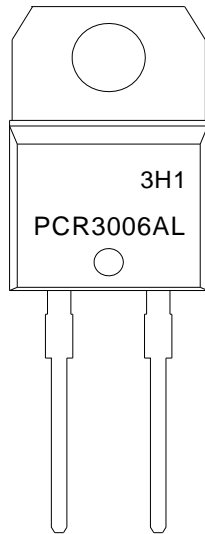


	$F_{TAVL}$	30	A
Peak average current in sine-wave sine-wave superimposed on rated load	$I_{FSM}$	300	A
Junction temperature and ambient temperature range	$T_{jT}$	- ) ) to Ž 1 + )	

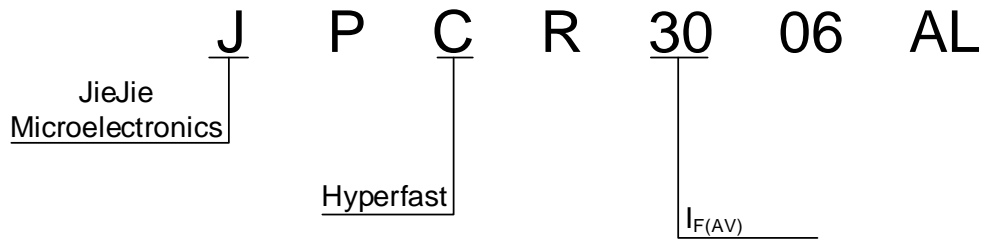


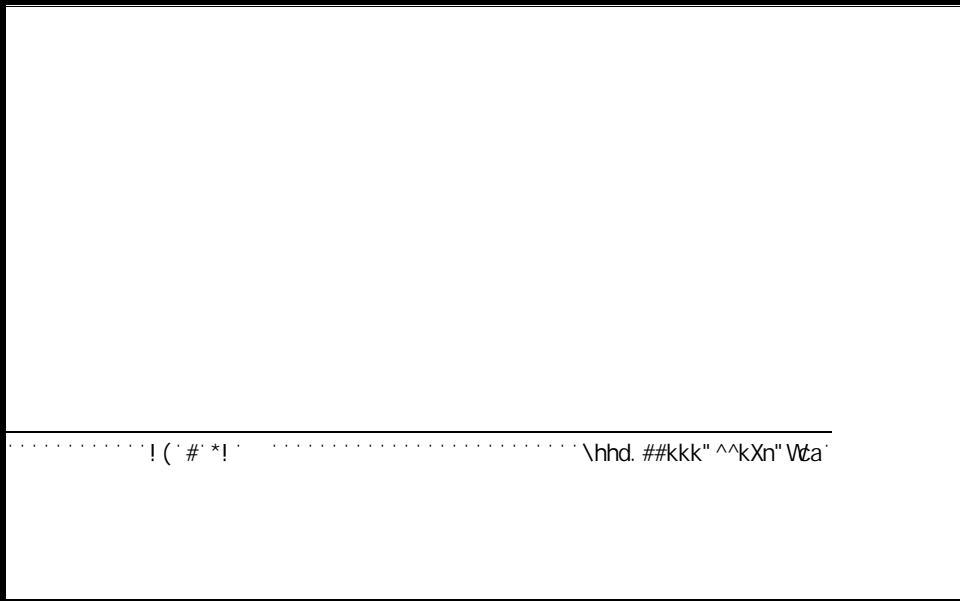


MARKING



ORDERING INFORMATION





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